

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A rubber member conveying device comprising:
a vibration imparting part that imparts vibration to a rubber member having internal strain; and
a conveying part that conveys the rubber member; wherein
the rubber member is conveyed by the conveying part while having vibration imparted thereto by the vibration imparting part, and
wherein the vibration imparted to the rubber member has a frequency of 5 to 100 Hz, an amplitude of 0.5 to 10 mm, and a time period of vibration of 1 sec or longer.

Claim 2 (canceled).

3. (currently amended) The rubber member conveying device of claim ~~2~~1, wherein the frequency, the amplitude, and the time period of vibration are set according to the thickness, hardness and amount of internal strain of the rubber member.

4. (currently amended) The rubber member conveying device of ~~any one of claims 1 to 3~~claim 1, wherein
the conveying part is provided with a rotating endless belt that is loaded with the rubber member,

a protruding part is provided as the vibration imparting part ~~on~~ and protrudes from
a rubber member loading surface side of the endless belt, and

the rubber member is moved relatively to the protruding part due to rotation of the
endless belt.

5. (original) The rubber member conveying device of claim 4 wherein,
a plurality of revolving elements that are held freely rotatably are provided as the
protruding part, and

when the endless belt rotates, the revolving elements that are butted against the
rubber member are turned by a moving force of the endless belt and a friction force exerted by
the rubber member.

6. (original) The rubber member conveying device of claim 5, wherein, as the
revolving elements, rollers are provided such that an axis of rotation thereof is in a direction
orthogonal to a conveyance direction.

7. (original) The rubber member conveying device of claim 5, wherein the revolving
elements are ball bearings.

8. (currently amended) A rubber member supplying system, comprising:
a delivery unit that delivers a to-be-cut material made of rubber having internal
strain;
a cutting unit that cuts the to-be-cut material supplied by the delivery unit; and

the conveying device of ~~any one of claims 1 to 7~~claim 1 that conveys a rubber member that has been cut by the cutting unit.

9. (original) The rubber member supplying system of claim 8, wherein the delivery unit is capable of intermittent running, and when the cutting unit cuts the to-be-cut material, the delivery unit stops delivery of the to-be-cut material.

10. (currently amended) The rubber member supplying system of claim 8 ~~or 9~~, wherein the to-be-cut material has a long strip shape that is formed by an extrusion process.

11. (new) A rubber member conveying device comprising:

a vibration imparting part that imparts vibration to a rubber member having internal strain; and

a conveying part that conveys the rubber member,

wherein the rubber member is conveyed by the conveying part while having vibration imparted thereto by the vibration imparting part,

wherein the conveying part is provided with a rotating endless belt that is loaded with the rubber member,

wherein a protruding part is provided as the vibration imparting part and protrudes from a rubber member loading surface side of the endless belt, and

wherein the rubber member is moved relatively to the protruding part due to rotation of the endless belt.

12. (new) The rubber member conveying device of claim 11 wherein,
a plurality of revolving elements that are held freely rotatably are provided as the protruding part, and

when the endless belt rotates, the revolving elements that are butted against the rubber member are turned by a moving force of the endless belt and a friction force exerted by the rubber member.

13. (new) The rubber member conveying device of claim 12, wherein, as the revolving elements, rollers are provided such that an axis of rotation thereof is in a direction orthogonal to a conveyance direction.

14. (new) The rubber member conveying device of claim 12, wherein the revolving elements are ball bearings.